



# Floriculture Statistics

Cooperating with the Pennsylvania Department of Agriculture

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There were 735 growers in 2009, compared to 842 growers in 2008. The 2009 wholesale value of sales by commercial flower and foliage producers in Pennsylvania totaled \$155.3 million, \$17.6 million less than in 2008. Pennsylvania ranked ninth nationally in wholesale sales of floriculture crops.

All values in the following tables are **wholesale equivalent** value of sales; they were derived by multiplying the average wholesale price by the total quantity sold.

The value of sales at wholesale of total bedding or garden plants for operations with over \$100,000 in sales was \$74.9 million, down from 2008. Sales of herbaceous perennials were also down slightly to \$16.7 million.

The total covered growing area for Pennsylvania in 2009 was 20.7 million square feet. Covered growing area included: glass greenhouses, 2.1 million square feet; fiberglass and other rigid greenhouses, 2.0 million square feet; film plastic (single/multi) greenhouses, 16.1 million square feet; and shade and temporary cover, 459,000 square feet. Growers also used 1,618 acres of open ground in 2009.

**About the Survey:** The Commercial Floriculture Survey is conducted annually by USDA's National Agricultural Statistics Service (NASS) in 15 states. It is a "census" of all known operations with more than \$10,000 in floriculture sales. For operations with more than \$100,000 in sales, detailed data is collected about specific varieties.

These results were compiled from the 2009 Census of Horticulture Specialties, in which some previous information was changed or updated based on new data discovered from additional operations. In order to maintain comparability within this 15-State (including Pennsylvania) program, information for the 2008-2009 census was collected through an ongoing list building system. Operations are classified by summing the totals of actual plant sales reported in the questionnaire, which lessens the chance of non-floriculture plant material being included.

Data summarized in the tables showing grower numbers, hired workers, and growing area represent all growers having sales of \$10,000 or more. The area and labor statistics will not be comparable between the two published years because they include nursery production area and labor for 2009, due to joint data collection efforts with the 2009 Census of Horticulture.

The results of the survey are available to the public. Associations use these statistics when working with policy makers at the state and national levels. University Extension specialists justify research grants and other activities with statistics that describe the size and importance of the industry in each state. Banks and other lending institutions often use the data when evaluating loan applications. Individual producer data is kept strictly confidential and used only in combination with other reports to prepare state and national statistics. Individual information is exempted from disclosure under the Freedom of Information Act.

Pennsylvania: Number of Growers,  
Reported Gross Value of Sales, 2008-2009

Value of Sales	2008	2009
	<i>Number</i>	
\$10,000 - \$19,999	132	124
\$20,000 - \$39,999	170	173
\$40,000 - \$49,999	80	64
\$50,000 - \$99,999	247	145
\$100,000 - \$499,999	161	176
\$500,000 or More	52	53
TOTAL	842	735
	<i>1,000 Dollars</i>	
Expanded wholesale value <sup>1</sup>	172,918	155,281

<sup>1</sup> Wholesale value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below \$100,000. The value of sales for growers below the \$100,000 level was estimated by multiplying the number of growers in each size group by the mid-point of each dollar value range.

Pennsylvania: Growing Area by Type of Cover,  
All Operations with \$10,000+ Sales, 2008-2009

Type of Cover	2008	2009
	<i>Number</i>	
Total number of growers	842	735
	<i>1,000 Square Feet</i>	
Glass greenhouses	2,044	2,101
Fiberglass & other rigid greenhouses	2,356	2,023
Film plastic (single/multi) greenhouses	15,331	16,116
TOTAL GREENHOUSE COVER	19,731	20,240
Shade and temporary cover	398	459
TOTAL COVERED AREA	20,129	20,699
	<i>Acres</i>	
Open ground	622	1,618

<sup>1</sup> Totals are not comparable between years, see above for explanation.

Pennsylvania: Growing Area by Type of Cover,  
All Operations with \$100,000+ Sales, 2008-2009 <sup>1</sup>

Type of Cover	2008	2009
	<i>Number</i>	
Total number of growers	213	229
	<i>1,000 Square Feet</i>	
Glass greenhouses	1,514	1,740
Fiberglass & other rigid greenhouses	1,441	1,535
Film plastic (single/multi) greenhouses	11,152	11,886
TOTAL GREENHOUSE COVER	14,107	15,161
Shade and temporary cover	244	248
TOTAL COVERED AREA	14,351	15,409
	<i>Acres</i>	
Open ground	293	1,048

<sup>1</sup> Totals are not comparable between years, see page 1 for explanation.

Pennsylvania: Floriculture Crops - Wholesale Value of Sales  
by Category for Operations with \$100,000+ Sales, 2008-2009

Category	2008	2009
	<i>1,000 Dollars</i>	
Annual bedding/garden plants	60,615	58,184
Herbaceous perennial plants	18,129	16,703
Total bedding/garden plants <sup>1</sup>	78,744	74,887
Total potted flowering plants	29,369	29,428
Total foliage for indoor or patio use	3,825	2,344
Total cut flowers	<sup>2</sup>	<sup>2</sup>
Propagative materials	25,287	21,334
TOTAL wholesale value (reported crops) <sup>3</sup>	137,334	136,178

<sup>1</sup> Includes annual bedding plants and herbaceous perennials.

<sup>2</sup> Included in other states to avoid disclosing individual operations.

<sup>3</sup> Excluding cut flowers.

Pennsylvania: Potted Flowering Plants - Producers and Pots Sold for Operations with \$100,000+ Sales, 2008-2009

Flower Type	Producers		Quantity Sold				Percent of Sales at Wholesale		Wholesale Price				Value of All Sales at Wholesale <sup>1</sup>	
	2008	2009	Less Than 5 Inch		5 Inch or More				Less Than 5 Inch		5 Inch or More			
			2008	2009	2008	2009	2008	2009	2008	2009	2008	2009		
		Number		1,000 Pots				Percent		Dollars per Pot				1,000 Dollars
African Violets <sup>2</sup>	11	14	98	105	<sup>2</sup>	<sup>2</sup>	83	98	1.75	1.74	<sup>2</sup>	<sup>2</sup>	171	183
Finished florist azaleas <sup>2</sup>	14	22	<sup>2</sup>	<sup>2</sup>	9	11	76	54	<sup>2</sup>	<sup>2</sup>	6.50	9.68	58	106
Florist chrysanthemums	50	50	147	134	151	103	92	87	<sup>2</sup>	3.42	3.54	4.72	535	944
Easter lilies <sup>2</sup>	60	67	<sup>2</sup>	3	751	718	97	96	<sup>2</sup>	6.28	3.64	3.94	2,731	2,848
Poinsettias	107	102	584	449	1,539	1,107	88	84	1.92	1.79	4.66	5.30	8,293	6,671
Spring flowering bulbs	72	55	1,531	1,509	4,170	3,956	98	98	1.32	1.38	3.01	3.00	14,573	13,950
Other flowering plants	57	98	294	602	431	368	84	85	1.80	2.05	4.57	5.15	2,499	3,129

<sup>1</sup> Equivalent wholesale value of all sales. <sup>2</sup> Quantity and price combined into pot size with greatest production to avoid disclosing data of individual operations.

Pennsylvania: Foliage Plants for Indoor or Patio Use, Potted Foliage - Producers,  
Quantity Sold, Price and Value for Operations with \$100,000+ Sales, 2008-2009

Producers		Percent of Sales at Wholesale		Value of Sales at Wholesale <sup>1</sup>	
2008	2009	2008	2009	2008	2009
<i>Number</i>		<i>Percent</i>		<i>1,000 Dollars</i>	
41	52	72	87	2,868	1,656

<sup>1</sup> Equivalent wholesale value of sales.

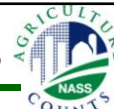
Pennsylvania: Foliage Plants for Indoor or Patio Use Foliage Hanging Basket - Producers,  
Quantity Sold, Price and Value for Operations with \$100,000 + Sales, 2008-2009

Producers		Total Quantity Sold		Percent of Sales at Wholesale		Wholesale Price		Value of Sales at Wholesale <sup>1</sup>	
2008	2009	2008	2009	2008	2009	2008	2009	2008	2009
<i>Number</i>		<i>1,000 Baskets</i>		<i>Percent</i>		<i>Dollars Per Basket</i>		<i>1,000 Dollars</i>	
61	42	143	110	83	88	6.69	6.25	957	688

<sup>1</sup> Equivalent wholesale value of sales.

PA Floriculture Crops, 2009

Wholesale Value of Sales (excl. cut flowers)= \$136.2 million



From 229 Farms with  
\$100,000+ Sales



\$0 \$10 \$20 \$30 \$40 \$50 \$60 \$70  
Million Dollars

Jun 2010

National Ag Statistics Service-PA, USDA

**Pennsylvania: Potted Herbaceous Perennials - Price and Value for Operations with \$100,000+ Sales, 2008-2009**

Flower Type	Year	Producers	Quantity Sold					Percent of Sales at Wholesale	Wholesale Price					Value of All Sales at Wholesale <sup>1</sup>
			Less Than 5 Inch	5 Inch or More	Less Than 1 Gallon	1 to 2 Gallon	2 Gallon & Larger		Less Than 5 Inch	5 Inch or More	Less Than 1 Gallon	1 to 2 Gallon	2 Gallon & Larger	Total
		<i>Number</i>	<i>1,000 Pots</i>					<i>Percent</i>	<i>Dollars Per Pot</i>					<i>1,000 Dollars</i>
Hardy/garden Chrysanthemums	2008	133	389	2,576	-	-	-	81	1.09	2.55	-	-	-	6,993
	2009	134	542	2,439	-	-	-	83	1.21	2.52	-	-	-	6,802
Hostas	2008	79	-	-	38	134	8	82	-	-	3.08	3.83	6.03	679
	2009	84	-	-	35	90	7	61	-	-	3.45	4.76	6.31	593
Other herbaceous perennials	2008	116	-	-	2,957	1,719	135	87	-	-	1.15	3.57	6.81	10,457
	2009	131	-	-	1,237	1,607	158	80	-	-	2.06	3.58	6.37	9,308

<sup>1</sup> Equivalent wholesale value of all sales.

**Pennsylvania: Annual Bedding/Garden Plants Flats (Only) - Producers, Quantity Sold, Price and Value for Operations with \$100,000+ Sales, 2008-2009**

Annual Bedding/ Garden Plants	Year	Producers	Total Quantity Sold	Percent of Sales at Wholesale	Wholesale Price	Value of Sales at Wholesale <sup>1</sup>
<i>Flats (ONLY)</i>		<i>Number</i>	<i>1,000 Flats</i>	<i>Percent</i>	<i>Dollars per Flat</i>	<i>1,000 Dollars</i>
Begonias	2008	143	142	80	9.62	1,366
	2009	149	134	72	9.85	1,320
Geraniums from vege. cuttings	2008	11	12	80	15.77	189
	2009	11	15	85	19.39	291
Geraniums from seed	2008	19	8	57	15.58	125
	2009	22	7	70	14.60	102
New Guinea Impatiens	2008	11	9	77	18.15	163
	2009	23	29	54	14.39	417
Impatiens	2008	154	403	72	9.07	3,655
	2009	161	457	75	9.10	4,159
Marigolds	2008	152	241	77	8.11	1,955
	2009	162	215	72	8.94	1,922
Pansies/Violas	2008	149	236	77	9.38	2,214
	2009	156	236	79	10.09	2,381
Petunias	2008	159	327	75	9.75	3,188
	2009	164	312	73	9.21	2,874
All other flowering & foliar plants	2008	145	945	82	11.55	10,915
	2009	159	898	75	10.85	9,743
Vegetable type plants	2008	140	215	60	7.84	1,686
	2009	123	296	59	8.28	2,451

<sup>1</sup> Equivalent wholesale value of all sales.



**Pennsylvania: Annual Bedding/Garden Plants Potted (Only) - Producers, Quantity,  
Price and Value for Operations with \$100,000+ Sales, 2008-2009**

Annual Bedding/Garden Plants	Year	Producers	Quantity Sold		Total	Percent of Sales at Wholesale	Wholesale Price		Value of Sales at Wholesale <sup>1</sup>
			Less Than 5 Inch	5 Inch or More			Less Than 5 Inch	5 Inch or More	
<i>Potted Plants (ONLY)</i>		<i>Number</i>	<i>1,000 Pots</i>			<i>Percent</i>	<i>Dollars Per Pot</i>		<i>1,000 Dollars</i>
	2008	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>
Begonias <sup>2</sup>	2009	95	417	71	488	85	.81	1.74	461
Geraniums from vege. cuttings	2008	162	3,215	382	3,597	78	1.64	3.61	6,652
	2009	169	2,937	322	3,259	77	1.60	4.32	6,090
Geraniums from seed <sup>3</sup>	2008	54	962	<sup>3</sup>	962	88	0.85	<sup>3</sup>	817
	2009	52	928	46	974	85	0.90	1.88	922
New Guinea Impatiens	2008	157	667	132	799	68	1.54	3.13	1,440
	2009	165	582	84	666	64	1.80	3.01	1,300
Impatiens	2008	66	276	290	566	89	0.75	2.63	970
	2009	66	1,250	440	1,690	98	0.68	2.53	1,963
Marigolds	2008	38	151	67	218	91	0.73	1.35	201
	2009	48	675	94	769	97	0.72	1.41	619
Pansies/Violas	2008	57	611	240	851	95	0.99	2.29	1,154
	2009	60	581	199	780	95	0.80	1.86	835
Petunias	2008	96	690	386	1,076	88	1.05	2.64	1,744
	2009	110	652	331	983	84	1.62	2.25	1,801
All other flowering & foliar plants	2008	122	2,612	1,498	4,110	71	1.33	3.18	8,238
	2009	155	2,723	1,351	4,074	74	1.03	2.94	6,777
Vegetable type plants	2008	102	885	183	1,068	63	1.26	1.85	1,454
	2009	110	1,421	175	1,596	63	1.02	3.63	2,085

<sup>1</sup> Equivalent wholesale value of all sales. <sup>2</sup> Included in other states to avoid disclosing data of individual operations. <sup>3</sup> Quantity and price combined into pot size with greatest production to avoid disclosing data of individual operations.

**Pennsylvania: Annual Bedding/Garden Plants Hanging Baskets (Only) - Producers,  
Quantity Sold, Price and Value for Operations with \$100,000+ Sales, 2008-2009**

Annual Bedding/Garden Plants	Year	Producers	Total Quantity Sold	Percent of Sales at Wholesale	Wholesale Price	Value of Sales at Wholesale <sup>1</sup>
<i>Hanging Baskets (ONLY)</i>		<i>Number</i>	<i>1,000 Baskets</i>	<i>Percent</i>	<i>Dollars per Basket</i>	<i>1,000 Dollars</i>
Begonias	2008	89	82	79	5.53	453
	2009	94	62	67	7.23	448
Geraniums from vege. cuttings	2008	112	165	80	7.15	1,180
	2009	107	143	79	7.71	1,103
Geraniums from seed	2008	10	11	83	4.12	45
	2009	9	18	78	6.53	118
New Guinea Impatiens	2008	111	209	84	6.60	1,379
	2009	111	128	74	7.45	954
Impatiens	2008	84	163	89	4.30	701
	2009	82	109	87	5.79	631
Pansies/Violas	2008	36	28	87	6.57	184
	2009	37	34	85	5.64	192
Petunias	2008	123	453	69	5.02	2,274
	2009	124	381	51	5.21	1,985
All other flowering & foliar plants	2008	122	883	77	6.58	5,810
	2009	140	571	62	7.34	4,191

<sup>1</sup> Equivalent wholesale value of all sales.

**Pennsylvania: Propagative (Unfinished) Floriculture Materials - Total Value of Sales  
by Category for Operations with \$100,000+ Sales, 2008-2009**

Year	Potted Flowering Plants	Annual Bedding/ Garden Plants	Herbaceous Perennial Plants
	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>
2008	293	3,805	19,113
2009	<sup>1</sup>	3,586	17,345

<sup>1</sup> Included in other states to avoid disclosing data of individual operations.